

<p style="text-align: center;">U.S. PATENT DOCUMENTS</p> <p>LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)</p> <p>AUG 20 2001</p> <p>EXAMINER'S OFFICE</p>					ATTY. DOCKET NO.	APPLICATION NO.	
					9725-005-999	09/837,235	
					APPLICANT	Marshall et al.	
					FILING DATE	April 18, 2001	GROUP
					1645	1652	
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
J. S.	AA	Aeschbach et al., 1976, "Formation of Dityrosine Cross-Links in Proteins by Oxidation of Tyrosine Residues," Biochim. Biophys. Acta 439, 292-301.ikas					
	AB	Bodeness et al., 1984, "An Analysis of the H ₂ O ₂ -Mediated Crosslinking of Lens Crystallins Catalyzed by the Heme-Undecapeptide from Cytochrome c," Arch. Biochem. Biophys. 231 (2), 461-469.					
	AC	Brown et al., 1995, "Highly Specific Oxidative Cross-Linking of Proteins Mediated by a Nickel-Peptide Complex," Biochemistry 34, 4733-4739.					
	AD	Brown et al., 1998, "Determining Protein-Protein Interactions by Oxidative Cross-Linking of a Glycine-Glycine-Histidine Fusion Protein," Biochemistry 37, 4397-4406.					
	AE	Campbell et al., 1998, "Protein Cross-Linking Mediated by Metalloporphyrins," Bioorg. Med. Chem. 6, 1301-1307.					
	AF	Fancy & Kodadek, 1997, "Site-Directed Oxidative Protein Crosslinking," Tetrahedron. 53 (35), 11953-11960.					
	AG	Fancy & Kodadek, 1999, "Chemistry for the Analysis of Protein-Protein Interactions: Rapid and Efficient Cross-Linking Triggered by Long Wavelength Light," Proc. Natl. Acad. Sci. USA 96, 6020-6024.					
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	AI	Govardhan, 1999, "Crosslinking of Enzymes for Improved Stability and Performance," Curr. Opin. Biotech. 10, 331-335.					
	AJ	Helms et al., 1998, "Flexibility Involving the Intermolecular Dityrosyl Cross-Links of Enzymatically Polymerized Calmodulin," Biochemistry 37, 8378-8384.					
	AK	Kanwar & Balasubramanian, 1999, "Structure & Stability of the Dityrosine-Linked Dimer of gB-Crystallin," Exp. Eye Res. 698, 773-784.					
	AL	Kanwar & Balasubramanian, 2000, "Structural Studies on Some Dityrosine-Cross-Linked Globular Proteins: Stability Is Weakened, But Activity Is Not Abolished," Biochemistry 39, 14976-14983.					
	AM	Lardinois et al., 1999, "Spin Trapping and Protein Cross-Linking of the Lactoperoxidase Protein Radical," J. Biol. Chem. 274 (50), 35441-35448					
	AN	Malencik & Anderson, 1987, "Dityrosine Formation in Calmodulin," Biochemistry 26, 695-704					
	AO	Malencik & Anderson, 1991, "Fluorometric Characterization of Dityrosine: Complex Formation with Boric Acid and Borate Ion," Biochem. Biophys. Res. Commun. 178 (1), 60-67.					
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J. S.	AQ	Malencik & Anderson, 1996, "Dityrosine Formation in Calmodulin: Cross-Linking and Polymerization Catalyzed by Arthromyces Peroxidase, Biochemistry 35, 4375-4386.					
EXAMINER	T. Sackha			DATE CONSIDERED	8/5/03		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Sheet 1 of 3

LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)					ATTY. DOCKET NO. 9725-005	08/APPLICATION NO. 09/837,235
					APPLICANT Marshall et al.	
					FILING DATE April 18, 2001	GROUP 1645 1659

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JKS	AR	5,538,876	7/23/96	Mutsaers et al.	435	141	
	AS	4,904,592	2/27/90	Freeman et al.	435	183	
	AT	4,650,758	3/17/87	Shaked et al.	435	105	

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	YES	NO
	AU	WO 01/54486	8/2/01	PCT (Tilley)				X	
	AV	WO 01/29247	4/26/01	PCT (Marshall et al.)				X	

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	BA	DeVore and Gruebel, 1978, "Dityrosine in adhesive formed by the sea mussel, <i>Mytilus edulis</i> ", Biochem. Biophys. Res. Comm. 80:993-999
	BB	Downie et al. 1972, "An insoluble, dityrosine-containing protein from uterus", Biochim. Biophys. Acta 263:604-609
	BC	Fetterer et al., 1993, "Synthesis of tyrosine-derived cross-links in <i>Ascaris suum</i> cuticular proteins", J. Parasitol. 79:160-166
	BD	Fetterer and Rhoads, 1990, "Tyrosine-derived cross-linking amino acids in the sheath of <i>Haemonchus contortus</i> infective larvae", J. Parasitol. 76:619-624
	BE	Frater et al., 1960, "A role for thiol and disulphide groups in determining the rheological properties of dough made from wheaten flour", Nature 186:451-454
	BF	Gmeiner and Seelos, 1989, "Phosphorylation of tyrosine prevents dityrosine formation in vitro", FEBS Lett. 255:395-397
	BG	Grune et al., 2001, "Age-related changes in protein oxidation and proteolysis in mammalian cells", J. Gerontol. 56A:B459-B467
	BH	Guptasarma and Balasubramanian, 1992, "Dityrosine formation in the proteins of the eye lens", Current Eye Res. 11:1121-1125
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<i>JK</i>	BJ	Huggins et al., 1992, "Dityrosine and dityrosine concentrations in oxidized proteins and lens proteins with age", Annals NY Acad. Sci. 663:436-437
	BK	Kanwar and Balasubramanian, 2000, "Structural studies on some dityrosine-cross-linked globular proteins: stability is weakened, but activity is not abolished", Biochem. 39:14976-14983
	BL	Kanwar and Balasubramanian, 1999, "Structure and stability of the dityrosine-linked dimer of γ B-crystallin", Exp. Eye Res. 68:773-784
	BM	Kato et al., 1995, "Formation of protein-bound 3,4-dihydroxyphenylalanine in collagen types I and IV exposed to ultraviolet light", Photochem. Photobiol. 61:367-372
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	BO	Keeley et al., 1969, "Dityrosine in a non-hydroxyproline, alkali-soluble protein isolated from chick aorta and bovine ligament", Biochem. Biophys. Res. Comm. 34:156-161
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	BS	Li et al., 1996, "Involvement of peroxidase in chorion hardening in <i>Aedes aegypti</i> ", Insect Biochem. Molec. Biol. 26:309-317
	BT	Malanik and Ledvina, 1979, "The content of dityrosine in chick and rabbit aorta proteins", Connective Tissue Res. 6:235-240
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	BV	Michon et al., 1999, "Wheat prolamine crosslinking through dityrosine formation catalyzed by peroxidases: improvement in the modification of a poorly accessible substrate by "indirect" catalysis", Biotechnol. Bioeng. 63:449-458
	BW	Nomura et al., 1990, "Pulcherosine, a novel tyrosine-derived, trivalent cross-linking amino acid from the fertilization envelope of sea urchin embryo", Biochem. 29:4525-4534
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	BY	Pandey and Aronson, 1979, "Properties of the <i>Bacillus subtilis</i> spore coat", J. Bacteriol. 137:1208-1218
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	CB	Smail et al., 1995, " <i>Candida albicans</i> cell walls contain the fluorescent cross-linking amino acid dityrosine", Infect. Immun. 63:4078-4083
	CC	Sobel and Ajie, 1992, "Modification in amino acids of Dead Sea scroll parchments", Free Radical Biol. Med. 13:701-702
	CD	Souza et al., 2000, "Dityrosine cross-linking promotes formation of a stable α -synuclein polymers", J. Biol. Chem. 275:18344-18349
	CE	Spangler and Erman, 1986, "Cytochrome c peroxidase compound I: formation of covalent protein crosslinks during the endogenous reduction of the active site", Biochim. Biophys. Acta 872:155-157
	CF	Sullivan et al., 1940, "The action of oxidizing and reducing agents on flour", Cereal Chem. 17:507-528
<i>JK</i>	CG	Tilley et al., 2001, "Tyrosine cross-links: molecular basis of gluten structure and function," J. Agric. Food Chem. 49: 2627-2632



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Sheet 3 of 3

<i>Jf6</i>	CH	Totsune et al., 1993, "Chemiluminescence from bamboo shoot cut", Biochem. Biophys. Res. Comm. 194:1025-1029
	CI	Waffenschmidt et al., 1993, "Isodityrosine cross-linking mediates insolubilization of cell walls in Chlamydomonas", Plant Cell 5:809-820
	CJ	Waykole and Heidemann, 1976, "Dityrosine in collagen", Connective Tissue Res. 4:219-222
<i>Jf6</i>	CK	Wells-Knecht et al., 1993, "Oxidized amino acids in lens protein with age", J. Biol. Chem. 268:12348-12352
EXAMINER	<i>T. Savida</i>	DATE CONSIDERED <i>8/5/03</i>

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